

(11) EP 1 270 015 A3

(12)

### **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 25.02.2004 Bulletin 2004/09

(51) Int CI.7: A61K 47/48

(43) Date of publication A2: 02.01.2003 Bulletin 2003/01

(21) Application number: 02254497.7

(22) Date of filing: 26.06.2002

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 29.06.2001 JP 2001198985

(71) Applicant: Sankyo Company Limited Chuo-ku, Tokyo 103-8426 (JP)

(72) Inventors:

- Yamamoto, Shinichi, Sankyo Company Limited Shinagawa-ku, Tokyo 140-8710 (JP)
- Okada, Junichi, Sankyo Company Limited Shinagawa-ku, Tokyo 140-8710 (JP)
- Kurihara, Atsushi, Sankyo Company Limited Shinagawa-ku, Tokyo 140-8710 (JP)

- Numazawa, Taku, Sankyo Company Limited Shinagawa-ku, Tokyo 140-8710 (JP)
- Kondo, Junichi, Sankyo Company Limited Shinagawa-ku, Tokyo 140-8710 (JP)
- Tsuda, Eisuke, Sankyo Company Limited Shinagawa-ku, Tokyo 140-8710 (JP)
- Mochizuki, Shinichi, Sankyo Company Limited Shinagawa-ku, Tokyo 140-8710 (JP)
- Nishi, Hirotaka, Sankyo Company Limited Shinagawa-ku, Tokyo 140-8710 (JP)
- Miyazaki, Hideki, Sankyo Company Limited Shinagawa-ku, Tokyo 140-8710 (JP)
- (74) Representative: Gibson, Christian John Robert MARKS & CLERK, 57/60 Lincoln's Inn Fields London WC2A 3LS (GB)

#### (54) A complex comprising OCIF and Polysaccharide

(57) A novel complex comprising at least one substance selected from the group consisting of osteoclastogenesis inhibitory factor (OCIF), analogues thereof and variants thereof, which is bound to at least one substance selected from the group consisting of polysac-

charides and derivatives thereof shows prolonged retention in the bloodstream after administration making it useful in the treatment and prophylaxis of bone metabolic diseases.



## PARTIAL EUROPEAN SEARCH REPORT

**Application Number** 

which under Rule 45 of the European Patent Convention EP 02 25 4497 shall be considered, for the purposes of subsequent proceedings, as the European search report

	Citation of document with i	ndication, where appropriate,	Relevant	CLASSIFICATION OF THE
ategory	of relevant passa		to claim	APPLICATION (Int.CI.7)
	WO 00/24416 A (SNO ; SANKYO CO (JP); I HIG) 4 May 2000 (20 * claims; examples		1-33	A61K47/48
	WO 03/074084 A (SAI 12 September 2003 * claims 1,7,10 *		1	
	·			
				TECHNICAL FIELDS SEARCHED (Int.Cl.7)
				A61K
NCO	MPLETE SEARCH		<u> </u>	
he Searc ot compl e carried	h Division considers that the present	application, or one or more of its claims, does/ a meaningful search into the state of the art cal ly, for these claims.		
laims se	arched incompletely :			
laims no	t searched :			
leason fo	r the limitation of the search:			
see	sheet C			
	Place of search	Date of completion of the search		Exeminer
	The Hague	29 December 2003	Ber	te, M
X : parti Y : parti docu A : techi	TEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with another of the same category notogical background written disclosure	L : document cited fo	ument, but publis the application r other reasons	

EPO FORM 1503 03.82 (P04C07)



# INCOMPLETE SEARCH SHEET C

**Application Number** 

EP 02 25 4497

	_
Although claim 25 is directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.	
	-
•	
	l
	١

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 02 25 4497

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.

The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-12-2003

WO 0024416 A 04-05-2000 AU 755422 B2 12-12- AU 6487799 A 15-05- BR 9914834 A 14-08- CA 2347107 A1 04-05- CN 1325310 T 05-12- CZ 20011378 A3 17-10- EP 1127578 A1 29-08- HU 0104126 A2 28-03- WO 0024416 A1 04-05- NO 20012106 A 21-06- PL 347559 A1 08-04- TR 200101146 T2 21-09- TW 529954 B 01-05- US 2001031725 A1 18-10- ZA 200103296 A 25-10-
WO 03074084 A 12-09-2003 WO 03074084 A1 12-09-2003 JP 2003321390 A 11-11-2 US 2003216297 A1 20-11-2 US 2003181418 A1 25-09-2